



# David J. Hirschman

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## AREAS OF EXPERTISE

Over thirty years of experience in stormwater and water resources management. Experience in local government, non-profit, private, and academic sectors. Strong skills with water resources policy and research, stormwater design, and program implementation. Exceptional communication skills and broad experience with outreach, training, classroom teaching, conference presentations, webcasts, and other forms of communication, ranging from keynote addresses to four-day workshops.

## EXPERIENCE

### **Principal, *Hirschman Water & Environment, LLC* — 2005-Present**

Manage small consulting business focusing on implementation of low impact development and green infrastructure projects and natural resources planning, including natural resources property evaluations, stormwater research, stormwater design and training, and MS4 program support.

### **Program Director, *Center for Watershed Protection* — 2005-2016**

Managed core program areas for the Center, including stormwater and watershed services and watershed training. Developed new projects, secured funding, arranged and managed project teams, conducted work, and provided quality control. Projects involved work for government agencies at local, state, and federal levels as well as watershed organizations. Represented the Center at meetings and conferences.

### **Water Resources Specialist, *Biohabitats of Virginia* — 2004-2005**

Provided consulting services on innovative water management for sites and master plans, including water resources plans and ordinances, groundwater assessments, low-impact development design, identification of environmentally-sensitive areas, stormwater solutions, and watershed planning. Conducted staff development, training, and education programs for municipal water resources staff, environmental organizations, and the general public.

### **Water Resources Manager, *Albemarle County, Virginia* — 1993-2004**

Responsible for all facets of water resources program, including drinking water reservoir source water programs, stream protection, stormwater management, groundwater, comprehensive planning, policy coordination, and grants/budget management.

### **Environmental Policy Instructor, *Virginia Tech Department of Urban Affairs & Planning* — 1992**

Designed and taught undergraduate environmental policy course covering broad range of environmental policy issues, including energy, climate, water, waste, and biodiversity.

### **Co-director, *Service Training for Environmental Progress, Vanderbilt University* — 1986-1987**

Responsible for day-to-day operation of university-affiliated non-profit environmental agency. Delivered technical assistance to community groups on wide range of water quality, waste management, and regulatory and policy issues.

## EDUCATION

Master of Urban & Regional Planning, Virginia Tech, 1999  
BA, Biology, Duke University, 1983

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## CERTIFICATIONS

Certified Virginia Stormwater Inspector  
Chesapeake Bay Landscape Professional, Level 1, Level 2, and Trainer

## SELECTED BOOK CHAPTERS, GUIDANCE MANUALS, PAPERS & REPORTS

Hirschman, D., Seipp, B., and Schueler, T., *Technical Memorandum: Performance Enhancing Devices for Stormwater BMPs*. Prepared for: Chesapeake Stormwater Network, 2017.

Hirschman, D. and Battiata, J., *Urban Stormwater Management: Evolution of Process and Technology*, chapter in *Sustainable Water Management in Urban Environments*, Ed. Dr. Tamim Younos and Dr. Tammy Parece, Springer International Publishing, 2016.

Horsley Witten Group, Inc. and Center for Watershed Protection, *Stormwater Management in Pacific and Caribbean Islands: A Practitioner's Guide to Implementing LID*, Prepared for: NOAA Coral Reef Conservation Program, 2013.

Center for Watershed Protection, Inc., *West Virginia Stormwater Guidance Manual*, West Virginia Department of Environmental Protection, 2012.

Center for Watershed Protection, Inc. and Downstream Strategies, *West Virginia Mitigation & Payment In Lieu Guidance*, West Virginia Department of Environmental Protection, 2013.

Cappiella, K., Hirschman, D., Stack, B., and Drescher, S., *Using Nutrient Credits and Offsets to Achieve Stormwater Compliance with the Chesapeake Bay TMDL: A Discussion Paper*, Center for Watershed Protection, 2013.

Hirschman, D., Caraco, D., and Drescher, S., *Linking Stormwater and Climate Change: Retooling for Adaptation*, *Watershed Science Bulletin*, Association of Watershed & Stormwater Professionals, Spring, pp. 11-18, 2011.

Foraste, A. and Hirschman, D., *A Methodology for using Rainwater Harvesting as a Stormwater Management BMP*, proceedings, 2010 Low-Impact Development Conference, American Society of Civil Engineers, San Francisco, CA.

Hirschman, D. and Kosco, J., *Managing Stormwater in Your Community: A Guide for Building an Effective Post-Construction Program*, EPA Publication No. 833-R-08-001, 2008.

## PANELS, BOARDS, AND ADVISORY GROUPS

Chesapeake Bay Stakeholder Advisory Group, 2014 -- Present

Virginia Conservation Assistance Program Technical Advisory Committee, 2016 -- Present

City of Charlottesville, Water Resources Advisory Committee, Past-Chair, 2013 -- Present.

Urban BMP Chesapeake Bay TMDL Advisory Group, Virginia Department of Conservation and Recreation, 2010.

Rivanna River Basin Commission, Technical Advisory Group, 2007 – present.

Green Infrastructure Center, Board of Directors, 2010 – present.

South River Science Team, Expert Panel, Virginia Department of Environmental Quality, DuPont, Inc., 2010 – present.